Feature Learning

As we've discussed previously, *feature engineering* is one of the core techniques that can be used to increase the chances of success in solving machine learning problems. As a part of feature engineering, **feature learning** (also called **representation learning**) is a technique that you can use to derive new features in your dataset. Let's have a look at how this technique works.

Supervised and Unsupervised Approaches

Earlier in this lesson, we pointed out that *feature learning* is one of the machine learning techniques that can be done in both *supervised* and *unsupervised* ways. Let's have a look at both approaches.

QUIZ QUESTION

Which of the following is not a form of feature learning?

○ Clustering

○ Principal Component Analysis

○ Unsupervised autoencoding with Deep Learning

○ Supervised encoding with Deep Learning

✓ Regression

SUBMIT

NEXT